

# National Geospatial Advisory Committee Public-Private Partnerships Briefing



NGAC P3 Briefing  
June 3, 2021

# Goals

- Share NGAC findings and recommendations on P3s
- Invite dialog with and insight from the broader stakeholder community
- Leverage discussion today to refine our roadmap for future activities

# Agenda

- **Introduction** Ivan DeLoatch,  
FGDC Executive Director
- **Public-Private Partnerships (P3) Overview** Mark Reichardt,  
NGAC Chair
- **Use Case – Geospatial Insurance Consortium** Ryan Bank,  
GIC Global Managing Director
- **P3 Facilitated Discussion** Travis Hardy,  
FGDC Support

# Introduction

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## Context:

- National Geospatial Advisory Committee is critical resource for FGDC
- Authorized by Geospatial Data Act as advisory body with specific statutory roles & responsibilities
- Includes representatives from all levels of government, private sector, non-profits, and academia
- NGAC has provided ongoing advice & recommendations related to partnerships, use cases, emerging technologies, and many additional topics
- Current focus areas:
  - Partnerships, Stakeholder Engagement, 3D Elevation Program, Landsat, NSDI Strategic Plan
  - Geospatial support for Administration priorities

# Policy Motivators for P3s and Innovative Partnerships

## Geospatial Data Act

Extract of "Geospatial Data Act of 2018" (GDA), (P.L. 115-254), H.R. 302, Subtitle F, Sections 751–759

H. R. 302

*One Hundred Fifteenth Congress  
of the  
United States of America*

AT THE SECOND SESSION  
Begun and held at the City of Washington on Wednesday,  
the third day of January, two thousand and eighteen

*An Act*  
To provide protection for certain sports medicine professionals, to modernize Federal aviation programs, to improve aircraft safety  
certification processes, and for other purposes

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SECTION 1. SHORT TITLE. (a) This Act may be cited as the "GDA." (b) Table of Contents.

H. R. 302 – F.A.A. Reauthorization Act of 2018, Congress.gov webpage:  
<https://www.congress.gov/bills/115/302/versions/1/115302.pdf>  
H. R. 302 – F.A.A. Reauthorization Act of 2018, Law Lib (PDF)  
<https://www.congress.gov/115/bills/302/1/115302.pdf>  
FGDC GDA webpage, materials, and this document: <https://www.fgdc.gov/gda>

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COVID-19



Economic  
Recovery



Racial  
Equity



Climate



Infrastructure

Administration Priorities

## National Spatial Data Infrastructure Strategic Plan 2021–2024

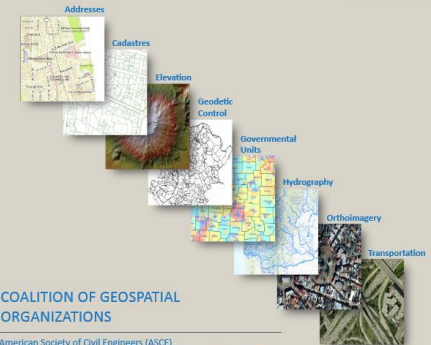


FGDC.GOV  
FEDERAL GEOGRAPHIC DATA COMMITTEE

November 2020

## REPORT CARD ON THE U.S. NATIONAL SPATIAL DATA INFRASTRUCTURE

December, 2018



### COALITION OF GEOSPATIAL ORGANIZATIONS

American Society of Civil Engineers (ASCE)  
American Society for Photogrammetry and Remote Sensing (ASPRS)  
American Association of Geographers (AAG)  
Cartography and Geographic Information Society (CaGIS)  
Geographic Information Systems Certification Institute (GISCI)  
International Association of Assessing Officers (IAAO)  
Management Association for Private Photogrammetric Surveyors (MAPPS)  
National Society of Professional Surveyors (NSPS)  
National States Geographic Information Council (NSGIC)  
United States Geospatial University Consortium (USGUC)  
Urban and Regional Information Systems Association (URISA)

 **NSGIC**  
National States Geographic Information Council

2019 GEOSPATIAL  
MATURITY ASSESSMENT

FGDC.GOV  
FEDERAL GEOGRAPHIC DATA COMMITTEE



# NGAC P3 Subcommittee

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## Task:

- The NGAC P3 Subcommittee was established in 2019 to:
  - Examine case studies of successful partnerships
  - Discuss factors that make P3s successful and lessons learned that can help shape more productive partnerships
  - Identify potential priority areas for application of partnerships for advancement of the NSDI
  - Make recommendations to establish and sustain such arrangements in support of the NSDI

## Next Steps:

- In 2021, the subcommittee will:
  - Develop additional use cases demonstrating the utility and value of innovative partnerships
  - Engage with the FGDC to promote partnerships and monitor the implementation of the recommendations in the 2020 NGAC P3 paper

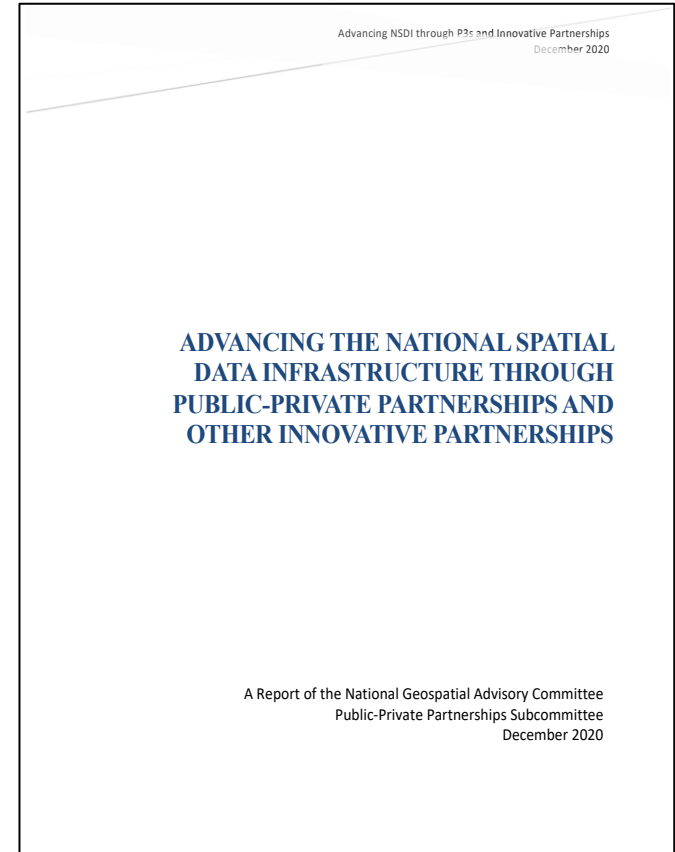
# NGAC P3 Subcommittee Membership

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Name	Organization
Mark Reichardt (Co-Chair)	Open Geospatial Consortium
Sanjay Kumar (Co-Chair)	World Geospatial Industry Council
Frank Avila	National Geospatial Intelligence Agency
Chad Baker	California Department of Transportation
Sarah Battersby	Tableau Research
Jack Dangermond	Esri
Mike Hussey	State of Utah
Mark Meade	Quantum Spatial
Siva Ravada	Oracle Corporation
Felicia Retiz	Texas Water Development Board
Amber Shultz	City of Lawrence, KS
Cy Smith	State of Oregon
Gary Thompson	State of North Carolina

# NGAC P3 Paper

- P3 Paper: “[Advancing the National Spatial Data Infrastructure Through Public-Private Partnerships and Other Innovative Partnerships](#)”
- Paper includes:
  - Definitions of P3s and innovative partnerships based on case studies and literature review
  - Characteristics of success, cautionary lessons
  - Recommendations to FGDC





# Adopted P3 Definition

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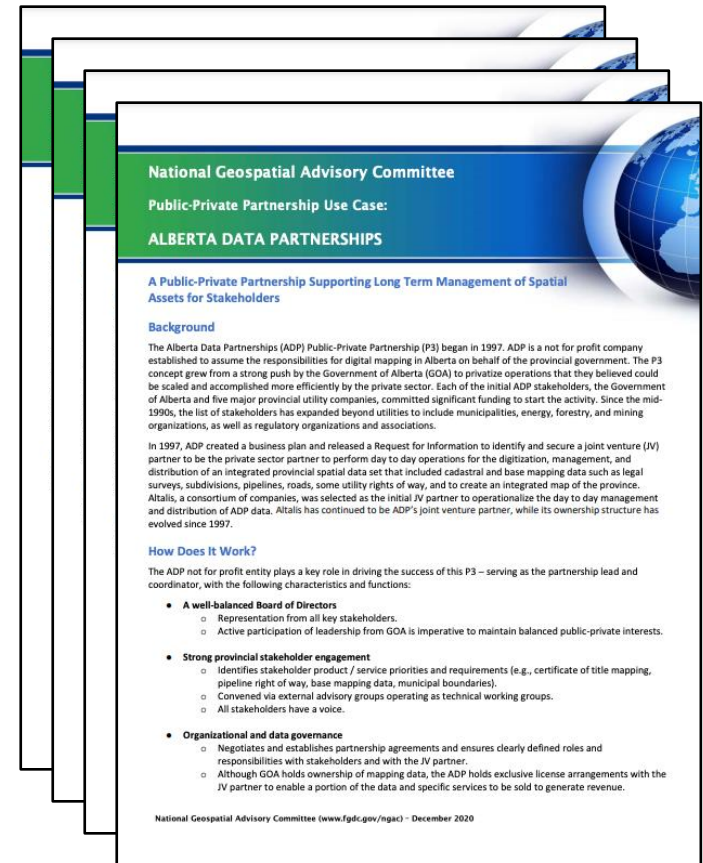
"A long-term agreement between one or more public agencies (Federal, State, and/or local) and private sector entity or entities that includes shared responsibility, risk, and reward among the parties. Through this agreement, the skills and assets of the private sector are employed in delivering a product, service, or infrastructure for use by the public at large."



# NGAC P3 / Innovative Partnership Use Cases

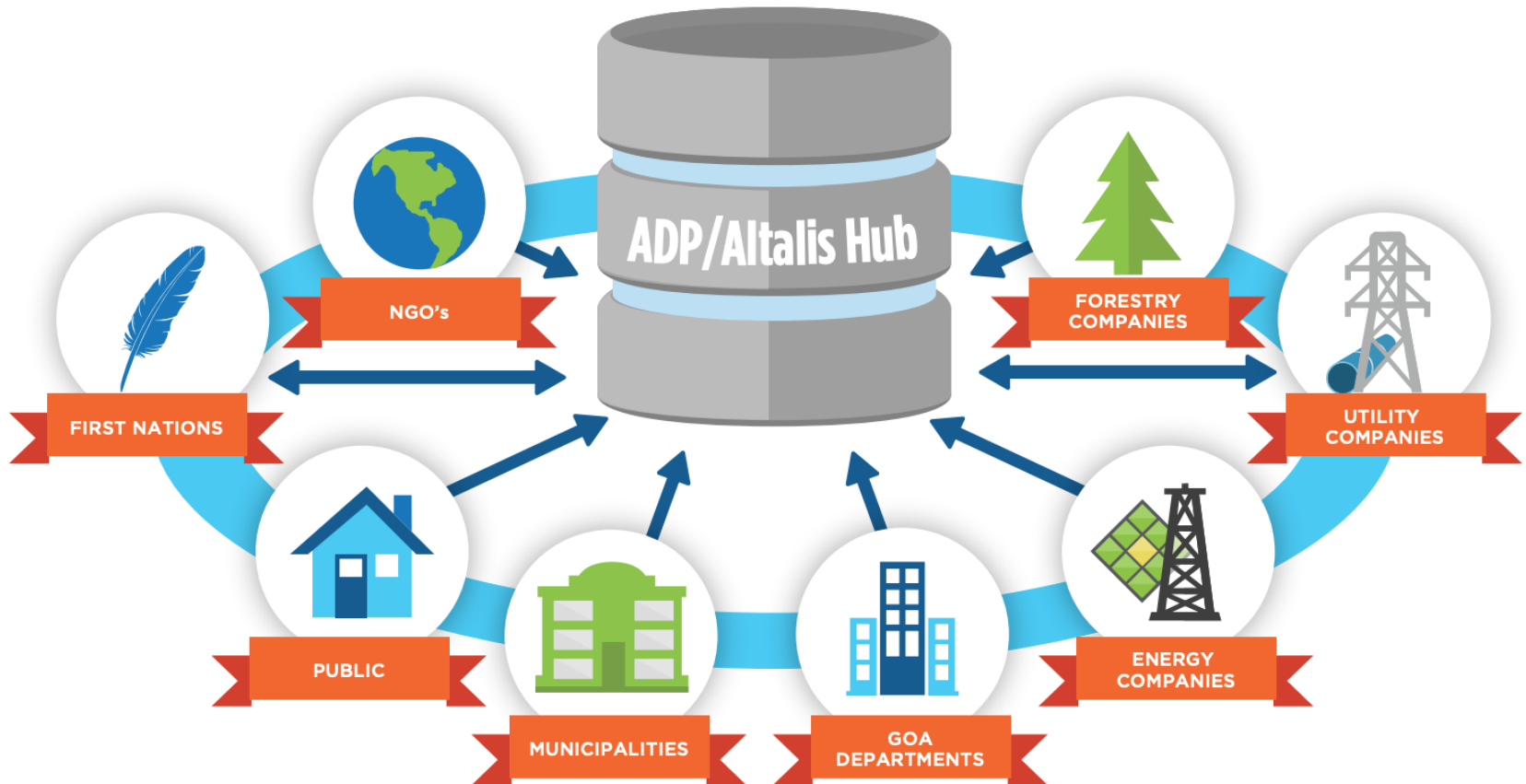
## Use Cases Developed:

- [Alberta Data Partnerships](#)
- [Geospatial Insurance Consortium](#)
- [3D Elevation Program](#)
- [GPS on Bench Marks Partnership](#)
- [California Public Safety Power Shutoff Innovative Partnership](#)
- [TomTom Data Maintenance Pilots with U.S. States](#)
- [NGA Partnership Intermediary Agreement](#)



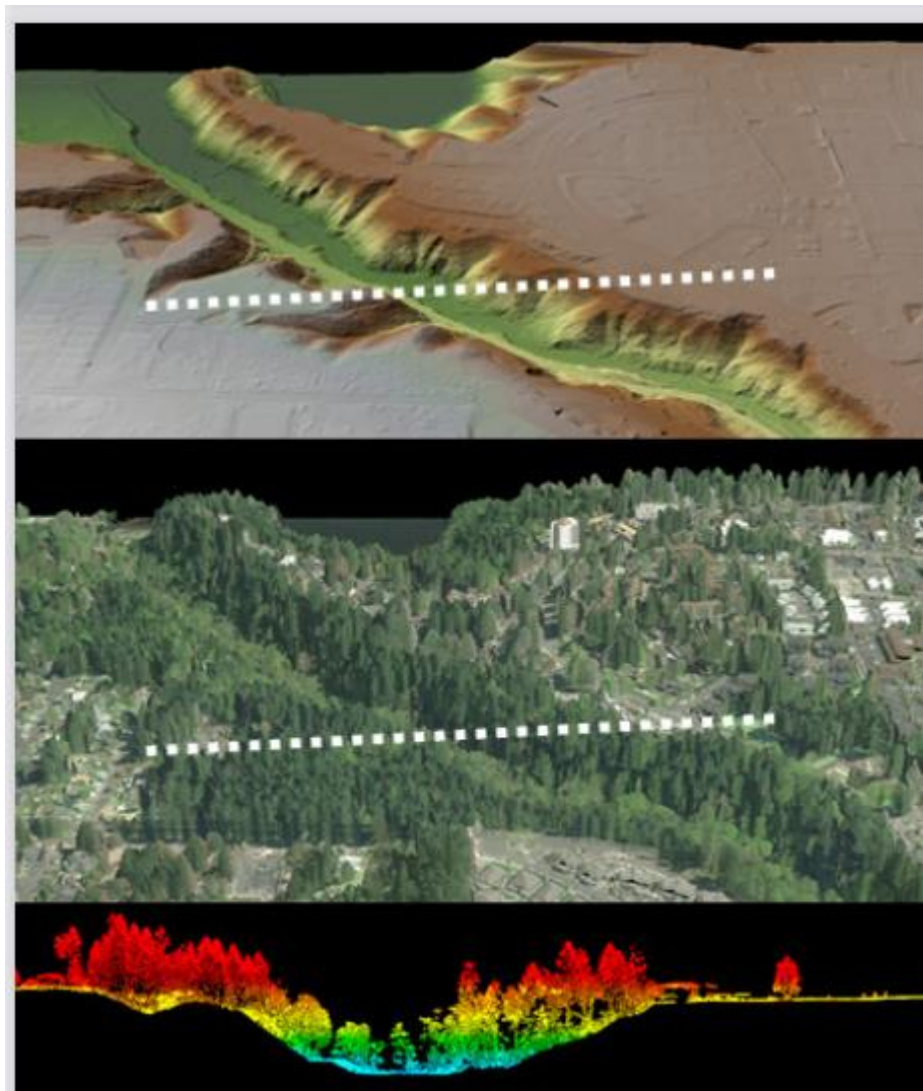
# Alberta Data Partnerships Use Case

**Alberta Data Partnerships - The Information Hub for All Geospatial Data in Alberta**

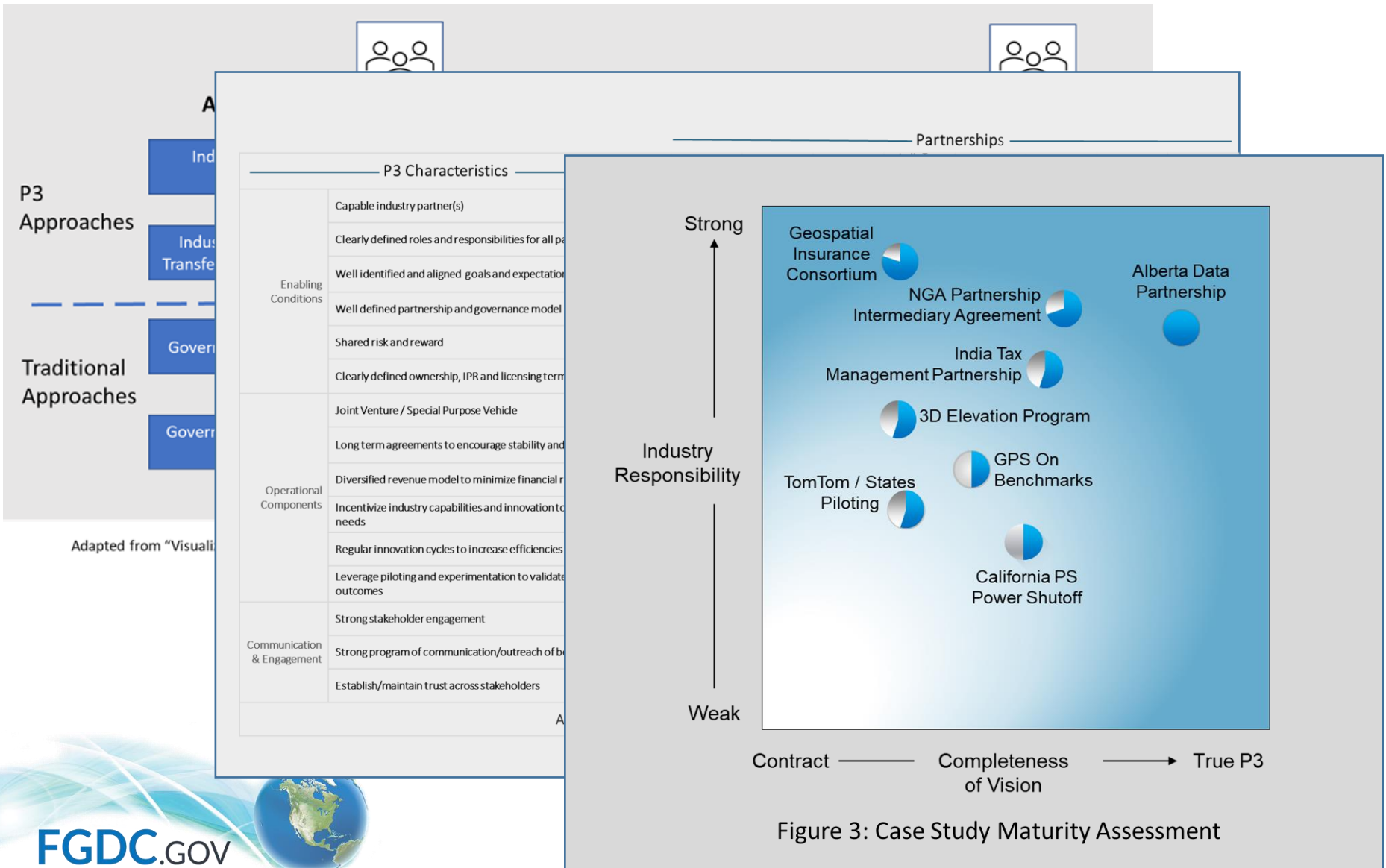


# 3D Elevation Program Use Case

- Focus on Lidar acquisition Partnerships
- Goal: by 2023, first-ever national baseline of consistent high-resolution three-dimensional (3D) data—including bare earth elevations and 3D point clouds—collected in a timeframe of less than a decade



# Public-Private Partnerships (P3)



# Lessons Learned

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- Legal and statutory authorities vary across agencies and departments, may support or impede P3 engagement
- Go the distance to properly define Intellectual Property Rights / Ownership
- Involve legal counsel from the start
- Strong metrics and continuous monitoring is essential to maintain accountability over the long term
- Timing of formal agreements, funding arrangement
- Make communications with stakeholders a key priority



# Recommendations - Summary

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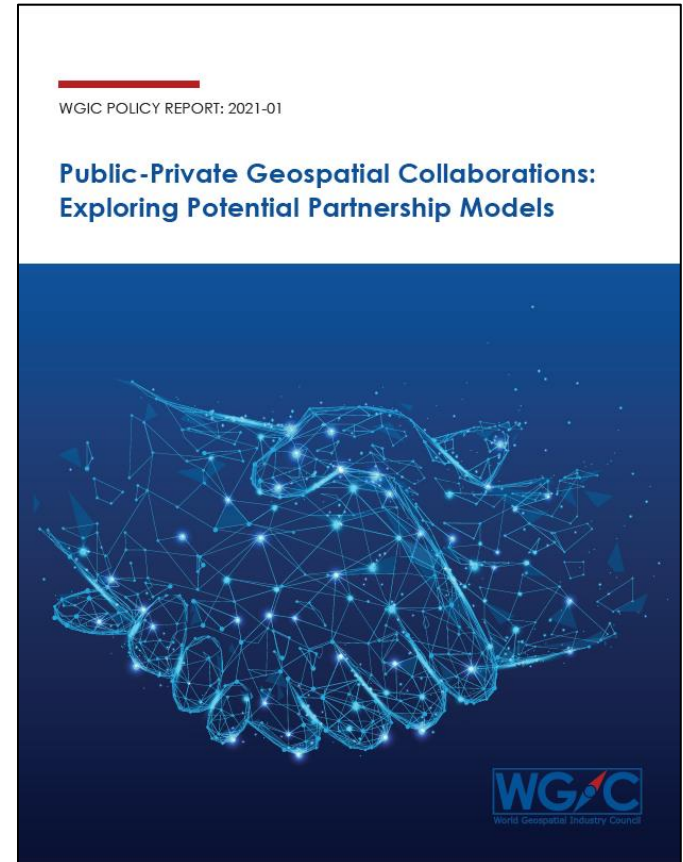
1. Encourage public and private sector entities to leverage findings and recommendations to form P3s to advance the NSDI
2. Request FGDC work with geospatial associations and State, Tribal, local leaders to identify NSDI priority areas for P3s
3. NGAC and FGDC work to implement a strategy to create a **national collaborative governance process** to guide a more efficient investigation, prioritization, and implementation of P3s and other innovative partnerships to advance the NSDI.
4. NGAC and the FGDC work with stakeholder organizations to develop and deliver P3 education/communication programs to ensure agreement on P3 approaches, share best practices etc.
5. NGAC and the FGDC continue to monitor and document new case studies to provide greater insight into elements of successful partnerships and issues to avoid, while helping to inspire public and private sector organizations to pursue such partnerships

# Public-Private Partnerships (P3)

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NGAC P3 Paper cited in World Geospatial Industry Council (WGIC) report: “Public-Private Geospatial Collaboration: Exploring Potential Partnership Models”

- NGAC comments provided in March 2021
- Report available at <https://go.wgicouncil.org/NGAG-PPP-launch>



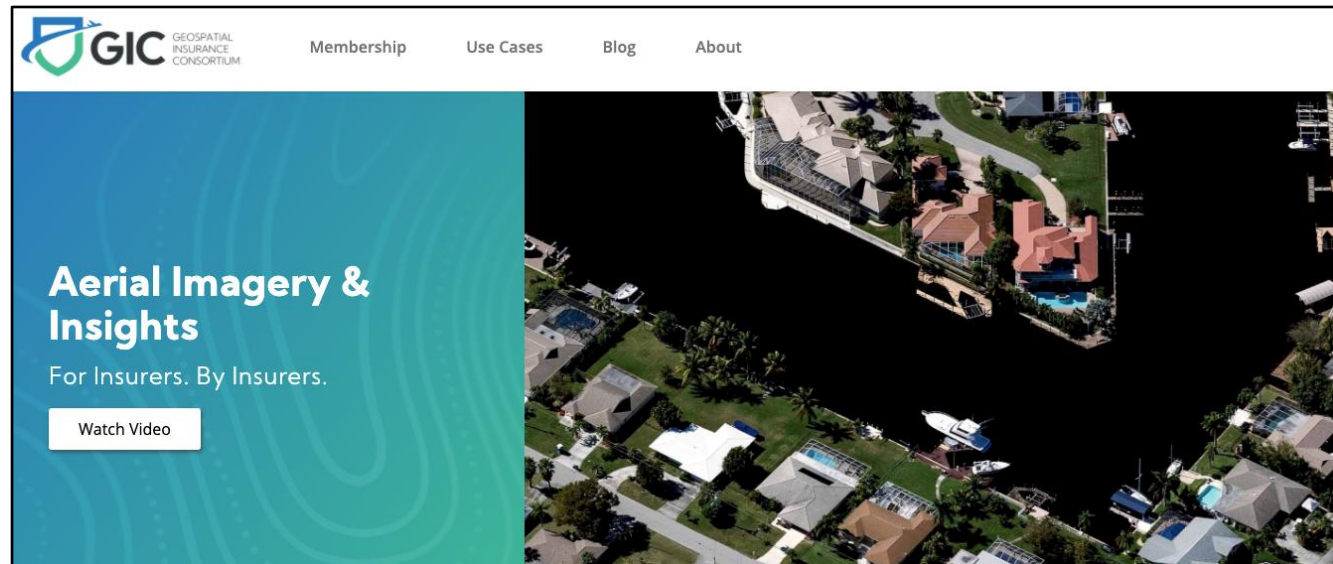


# Use Case Example:

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## **Geospatial Insurance Consortium (GIC),** Ryan Bank, Global Managing Director

- Introduction to the GIC
- The role of innovative partnerships in the GIC
- Potential for broader partnerships



# Facilitated Discussion

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## **P3 Recommendations:**

1. Encourage P3s and other innovative partnerships to address NDSI needs.
2. Organize dialogue with organizations like COGO to gather input on geospatial priority needs.
3. Design a strategy to create a national collaborative governance process to prioritize P3s.
4. Approach stakeholders to design a strong P3 educational and engagement communications program.
5. Periodically monitor, document, and communicate the value of existing P3s and other innovative partnerships.

## **Discussion Questions:**

- How might we better apply P3 approaches, or other innovative partnership models, to address gaps in NSDI data availability?
- What additional P3, or innovative partnerships, should we look at documenting from a use case standpoint?

# Thank you

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For questions or comments, please email

**ngac@fgdc.gov**